

Comparisons of Job Characteristics

Focus Occupation: Plumbers, Pipefitters, and Steamfitters (47-2152)

Associated Occupation: Insulation Workers, Mechanical (47-2132)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 86

Focus Occupation: Plumbers, Pipefitters, and Steamfitters (47-2152)

Associated Occupation: Insulation Workers, Mechanical (47-2132)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Building and Construction	4.0	11.4	16.6	>> Current knowledge level is likely more than sufficient
Mechanical	6.8	10.3	17.0	>> Current knowledge level is likely more than sufficient
Design	5.2	9.4	11.2	> Current knowledge level is likely sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 74

Focus Occupation: Plumbers, Pipefitters, and Steamfitters (47-2152)

Associated Occupation: Insulation Workers, Mechanical (47-2132)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Operation and Control	5.4	6.6	8.7	>> Skill level is likely more than sufficient
Troubleshooting	4.5	5.1	8.4	>> Skill level is likely more than sufficient
Management of Material Resources	3.7	3.8	3.0	< A higher skill level may be required
Installation	1.7	2.5	5.5	>> Skill level is likely more than sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities

Similarity of Focus Occupation to Associated Occupation: 91

Focus Occupation: Plumbers, Pipefitters, and Steamfitters (47-2152)
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Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Oral Comprehension	12.5	10.6	11.2	0	Current ability level may be sufficient
Oral Expression	12.4	10.1	10.2	0	Current ability level may be sufficient
Extent Flexibility	4.8	10.0	11.5	>	Current ability level is likely sufficient
Near Vision	11.1	10.0	11.4	>	Current ability level is likely sufficient
Problem Sensitivity	11.1	10.0	10.9	0	Current ability level may be sufficient
Arm-Hand Steadiness	6.8	9.8	11.8	>	Current ability level is likely sufficient
Finger Dexterity	7.6	9.5	11.1	>	Current ability level is likely sufficient
Gross Body Equilibrium	3.2	9.5	8.0	<	Some improvement in abilities may be required
Manual Dexterity	6.5	9.5	10.6	>	Current ability level is likely sufficient
Trunk Strength	5.7	9.1	9.2	0	Current ability level may be sufficient
Static Strength	5.0	8.8	9.2	0	Current ability level may be sufficient
Gross Body Coordination	3.9	8.0	7.4	0	Current ability level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 81

Focus Occupation: Plumbers, Pipefitters, and Steamfitters (47-2152)
Associated Occupation: Insulation Workers, Mechanical (47-2132)

Work Activities	Exclusivity of Activity
Adhere to safety procedures	12
Apply adhesives, caulking, sealants, or coatings	45
Build or repair structures in construction, repair, or manufacturing setting	54
Cut, shape, fit, or join wood or other construction materials	58
Fabricate, assemble, or disassemble manufactured products by hand	11
Measure and mark reference points or cutting lines on workpieces	66
Move or fit heavy objects	8
Read blueprints	10
Read tape measure	41
Read technical drawings	7
Understand construction specifications	53
Use hand or power tools	2
Use hazardous materials information	35
Use measuring devices in construction or extraction work	41

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: 79

Focus Occupation: Plumbers, Pipefitters, and Steamfitters (47-2152)

Associated Occupation: Insulation Workers, Mechanical (47-2132)

Tools and Technologies	Exclusivity
Business function specific software	1
Compressors	9
Computers	1
Cutting and crimping and punching tools	3
Dispensing tools	6
Fastener setting tools	12
Holding and clamping tools	3
Industry specific software	1
Ladders and scaffolding	6
Length and thickness and distance measuring instruments	2
Marking tools	11
Measuring and layout tools	3
Power tools	2
Tool attachments and accessories	12
Wrenches and drivers	2

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.